

# Notice of Allowability

Application No.

10/700,198

Examiner

John C. Ingham

Applicant(s)

YAMAZAKI ET AL.

Art Unit

2814

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to Amenment filed on 9 May 2006.
2. ☒ The allowed claim(s) is/are 23-40 and 51-107.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 09/132,633.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 2/27/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### DETAILED ACTION

1. The remarks filed 9 May 2006 have been entered and made of record. Claims 41-50 have been cancelled and claims 96-107 have been added. Therefore claims 23-40 and 51-107 are pending.

### EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

*The application has been amended as follows:*

*Change the Title to:*

Thin Film Transistor Display Device with Integral Control Circuitry

*Insert before the first line of the specification the sentence:*

--This application is a continuation of U.S. application Serial No.

09/539,828, issued as U.S. Patent No. 6,670,635, filed on March 31, 2000,

which is a divisional of U.S. application Serial No. 09/132,633, issued as U.S.

Patent No. 6,667,494, filed on August 11, 1998.--

***Response to Arguments***

3. Applicant's arguments (see page 18), filed 9 May 2006, with respect to claims 64-95 have been fully considered and are persuasive. The double patenting rejection of these claims has been withdrawn.

***Allowable Subject Matter***

4. The following is an examiner's statement of reasons for allowance:

Terminal disclaimers have been filed to overcome the double patenting rejections of claims 23-40 and 64-107. Reasons for allowance of these claims is included in the prosecution history of application 09/132,633, now patent 6,667,494, and application 09/540,357, now patent 6,597,014.

The closest prior art also does not anticipate a semiconductor device with the limitations of claims 51-63, specifically:

None of Miyanaga (US 5,705,829), Miyasaka (US 6,808,965), and Nakano (US 5,982,462) disclose a floating gate provided adjacent to an active layer with a gate insulating film therebetween, wherein the mobility of said semiconductor device is 100 to 300 cm<sup>2</sup>/Vs, and wherein the active layer has a thickness of 10 to 100 nm. The closest prior art also fails to disclose wherein an insulating film comprising an organic resin is provided over said floating gate to provide a leveled upper surface

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Information Disclosure Statement***

4. The information disclosure statement (IDS) submitted on 27 February 2006 was filed after the mailing date of the Final Rejection on 11 January 2006. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John C. Ingham whose telephone number is (571) 272-8793. The examiner can normally be reached on M-F, 8am-5pm.

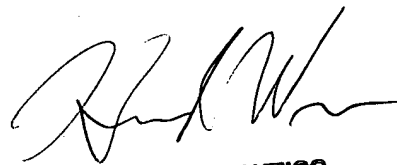
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John C Ingham  
Examiner  
Art Unit 2814

jci



**HOWARD WEISS**  
**PRIMARY EXAMINER**